

Title (en)  
POLARIZING PLATE MANUFACTURING METHOD AND POLARIZING PLATE MANUFACTURING EQUIPMENT

Title (de)  
VERFAHREN UND GERÄTE ZUR HERSTELLUNG VON POLARISIERUNGSPLATTEN

Title (fr)  
PROCÉDÉ DE FABRICATION DE PLAQUES DE POLARISATION ET ÉQUIPEMENT DE FABRICATION DE PLAQUES DE POLARISATION

Publication  
**EP 1868016 A1 20071219 (EN)**

Application  
**EP 05721462 A 20050325**

Priority  
JP 2005005485 W 20050325

Abstract (en)  
When a polarization plate is manufactured by laminating and laminating at least two types of retarder onto a polarizer by a laminating apparatus, the two films of at least the two types of the retarder including at least the polarizer are laminated such that the difference of the angle between the drawing directions of the two films is within the range of 40° to 80°. With this arrangement, a good handling property can be obtained, improvement of a yield ratio can be expected, the installation area of the laminating apparatus can be reduced due to reduction in size of the laminating apparatus.

IPC 8 full level  
**G02B 5/30** (2006.01)

CPC (source: EP US)  
**B29D 11/0073** (2013.01 - EP US); **B32B 23/08** (2013.01 - EP US); **B32B 27/08** (2013.01 - EP US); **B32B 38/1816** (2013.01 - EP US);  
**B32B 38/185** (2013.01 - EP US); B32B 37/223 (2013.01 - EP US); B32B 38/0004 (2013.01 - EP US); B32B 2309/06 (2013.01 - EP US);  
G02B 5/305 (2013.01 - EP US); G02B 5/3083 (2013.01 - EP US); Y10T 156/1052 (2015.01 - EP US); Y10T 156/107 (2015.01 - EP US);  
Y10T 156/12 (2015.01 - EP US); Y10T 156/1317 (2015.01 - EP US)

Citation (search report)  
See references of WO 2006103715A1

Cited by  
US2013202871A1; CN110140285A; EP3089335A1; EP3506468A1; WO2012107157A1; JP2014509275A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1868016 A1 20071219**; JP WO2006103715 A1 20080904; US 2009205773 A1 20090820; US 7955466 B2 20110607;  
WO 2006103715 A1 20061005

DOCDB simple family (application)  
**EP 05721462 A 20050325**; JP 2005005485 W 20050325; JP 2007510246 A 20050325; US 66320005 A 20050325